

09-17-03

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))			Docket No. HALB:045	
In Re Application Of: Jeff Miller and Jeff Kirsner				
Serial No. 10/656,684	Filing Date September 5, 2003	Examiner To be Assigned	Group Art Unit To be Assigned	
Title: Drilling Fluid and Method for Enhanced Suspension				
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450				
37 CFR 1.97(b)				
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.				
37 CFR 1.97(c)				
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:				
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);				
OR				
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).				

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
HALB:045

Re Application: Jeff Miller and Jeff Kirsner

Serial No.
10/656,684

Filing Date
September 5, 2003

Examiner
To be Assigned

Group Art Unit
To be Assigned

Drilling Fluid and Method for Enhanced Suspension

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0807 as described below.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited on September 16, 2003 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Karen B. Tripp

Typed or Printed Name of Person Mailing Certificate

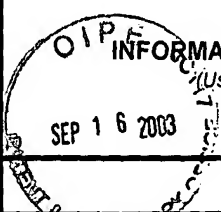
*This certificate may only be used if paying by deposit account.

Signature

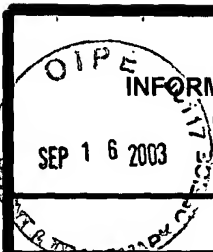
Dated: September 15, 2003

Karen B. Tripp, Reg. No. 30,452
Attorney at Law
P.O. Box 1301
Houston, Texas 77251-1301
(713) 658-9323 phone
(713) 658-9410 fax
ktripp@tripplaw.com

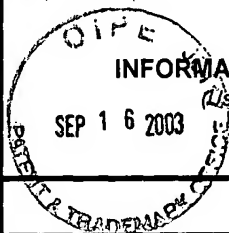
CC:

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>				ATTY DOCKET NO. HALB:045		SERIAL NO. 10/656,684		
				Jeff Miller and Jeff Kirsner				
				FILING September 5, 2003		GROUP		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	CB	4,148,821	04/10/1979	Nussbaum et al.	260	505 S	04/13/1976	
	CC	4,153,588	05/08/1979	Makowski et al.	260	23.5	11/29/1977	
	CD	4,390,474	06/28/1983	Nussbaum et al.	260	505 R	06/12/1980	
	CE	4,425,462	01/10/1994	Turner et al.	524	400	09/13/1982	
	CF	4,447,338	05/08/1984	Lundberg et al.	252	8.5M	08/12/1981	
	CG	4,488,975	12/18/1984	Almond	252	8.55 R	12/13/1982	
	CH	4,552,215	11/12/1985	Almond et al.	166	278	09/26/1984	
	CI	4,553,601	11/19/1985	Almond et al.	166	308	11/19/1985	
	CJ	4,671,883	06/09/1987	Connell et al.	252	8.515	07/12/1985	
	CK	4,787,990	11/29/1988	Boyd	252	8.511	02/04/1983	
	CL	4,810,355	03/07/1989	Hopkins	208	58	03/31/1988	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CM	WO 95/21225	08/11/1985	PCT	C09K	7/00		
	CN	WP 95/09215	04/06/1995	PCT	C09K	7/00		
	CO	EP 0 247 801 A2	12/02/1987	Europe	C09K	7/06		
	CP	EP 0 254 412	01/27/1988	Europe	C09K	7/06		
	CQ	GB 2,166,782 A	05/14/1986	United Kingdom	C09K	7/06		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CR	Friedheim, J.E., "Second-Generation Synthetic Drilling Fluids," SPE Distinguished Author Series: Dec. 1981-Dec. 1983.						
	CS	David Power, Jim Friedheim and Bret Toups, M-I L.L.C., "Flat Rheology SBM Shows Promise in Deepwater, Drilling Contractor, pages 44-45 (May/June 2003).						
EXAMINER				DATE CONSIDERED				

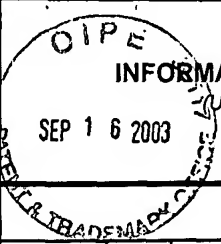
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. HALB:045		SERIAL NO. 10/656,684	
				Jeff Miller and Jeff Kirsner			
				FILING September 5, 2003		GROUP	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CT	4,900,456	02/13/1990	Ogilvy	252	8.551	12/01/1988
	CU	5,045,219	09/03/1991	Trahan et al.	252	8.51	11/22/1988
	CV	5,189,012	02/23/1993	Patel et al.	507	103	06/08/1990
	CW	5,333,698	08/02/1994	Van Slyke	175	65	05/21/1993
	CX	5,432,152	07/11/1995	Dawson et al.	507	103	08/16/1994
	CY	5,498,596	03/12/1996	Ashjian et al.	507	103	09/29/1993
	CZ	4,802,998	02/07/1989	Mueller et al.	252	8.514	07/08/1987
	DA	5,106,516	04/21/1992	Mueller et al.	507	138	02/09/1990
	DB	5,252,554	10/11/1993	Mueller et al.	507	138	01/21/1992
	DC	5,318,954	06/07/1994	Mueller et al.	507	138	06/29/1993
	DD	5,318,955	06/07/1984	Mueller et al.	507	139	03/24/1993
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	DE	GB 2,212,192 A	07/19/1989	United Kingdom	C09K	7/06	
	DF	WO 83/02949	09/01/1983	PCT	C09K	7/06	
	DG	WO 94/16030	07/21/1994	PCT	C09K	7/06	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
		DH	"BIO-BORE" (TM) Horizontal Directional Drilling Fluid Concentrate, Baroid Industrial Drilling Products data sheet (1995)				
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

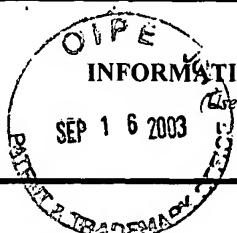
 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. HALB:045		SERIAL NO. 10/656,684		
				Jeff Miller and Jeff Kirsner				
				FILING September 5, 2003		GROUP		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AR	6,110,874	08/29/2000	Van Slyke	507	103	09/04/1998	
	AS	6,107,255	08/22/2000	Van Slyke	507	103	09/04/1998	
	AT	6,034,037	03/07/2000	Van Slyke	507	103	01/07/1999	
	AU	5,958,845	09/28/1999	Van Slyke	507	103	01/29/1996	
	AV	5,254,531	10/19/1993	Mueller et al.	507	131	01/21/1992	
	AW	5,929,297	07/27/1999	Theriot et al.	585	525	09/25/1997	
	AX	5,877,378	03/02/1998	Overstreet et al.	585	637	09/15/1997	
	AY	5,849,974	12/15/1998	Clarembreau et al.	585	668	01/28/1997	
	AZ	5,589,442	12/31/1994	Gee et al.	507	103	06/07/1995	
	BA	5,744,677	04/28/1998	Wu	585	512	07/14/1992	
	BB	5,569,642	10/29/1996	Lin	507	103	02/16/1998	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BC	GB 2,309,240 A	07/23/1997	United Kingdom	C09K	7/06		
	BD	DE 196 43 840 A	07/05/1998	Germany	E 21 B	21/14		✓
	BE	WO 98 23491 A	11/25/1993	PCT	C09K	7/06		
	BF	DE 40 18 228 A	12/12/1991	Germany	C09K	7/06		✓
	BG	DE 44 20 455 A	12/14/1995	Germany	C09K	7/00		✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		BH	"Altonic product sheet", CONDEA, 'Online! XP 002164097; Retrieved from the Internet: URL: http://www.condea.de/products/surfactanta/surfactanta_nonionic/alfonic.html ," retrieved from the internet on 2001-03-29, page 1-page 4.					
		BI	"Tergitol NP9", "Tergitol 15-S-9", "Tergitol 15-S-7", "Tergitol NP-10", "Tergitol T1135", "Tergitol TMN-6", "Tergitol NP-4", "Tergitol 15 S 5", "Tergitol 15-S-12", "Tergitol T1260", "Tergitol NP-7", "Tergitol TMN-10", "Tergitol TMN-3", "Tergitol TMN 6", "Tergitol 15-S-30", "Tergitol NP-40", retrieved from the internet on 2003-09-13: http://www.sigmaaldrich.com/cgi-bin/hsrun/Distributed/HahtShop/HAHTpage/HS_CatalogSearch?Scope=NameSearch&Query=tergitol&Collection=rescatalog&CurPage=1,2 .					
EXAMINER				DATE CONSIDERED				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. HALB:045		SERIAL NO. 10/656,684	
				Jeff Miller and Jeff Kirsner			
				FILING September 5, 2003		GROUP	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BJ	5,252,554	10/12/1993	Mueller et al.	507	138	01/21/1992
	BK	5,232,910	08/03/1993	Mueller et al.	507	138	09/06/1991
	BL	4,964,615	10/23/1990	Mueller et al.	507	243	05/23/1988
	BM	5,837,655	11/17/1998	Halliday et al.	507	103	05/01/1996
	BN	2,816,073	12/10/1957	Stratton	252	8.5	07/16/1956
	BO	3,684,012	98/05/1972	Scheffel et al.	166	283	06/12/1970
	BP	3,878,117	04/15/1975	Williams et al.	252	47	05/17/1973
	BQ	3,912,683	10/14/1975	O'Farrell	260	29.7	07/12/1974
	BR	3,954,627	05/04/1976	Dreher et al.	252	8.5 P	11/07/1973
	BS	4,007,149	02/08/1977	Burton et al.	260	29.7	07/02/1975
	BT	4,012,329	03/15/1977	Hayes et al.	252	8.5 P	09/22/1975
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BU	WO 00 71241 A	11/30/2000	PCT	B01F	17/00	
	BV	EP 0 561 608 A	09/22/1993	Europe	C09K	7/06	
	BW	WO 99 50370 A	10/07/1999	PCT	C09K	3/00	
	BX	AU-B-75043/94	03/22/1995	Australia	C09K	7/06	
	BY	EP 0 124 194 A2	11/07/1984	Europe	C09K	7/06	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BZ	Chapter 13, Synthetic, Baroid Fluids Handbook, Revised August 1, 1997.					
	CA	P.A. Boyd, D.L. Whitfill, T.S. Carter, and J.P. Allamon, New Base Oil Used in Low-Toxicity Oil Muds, 14 J. Petroleum Technology, 1985, pages 937-942.					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin-right: 10px; text-align: center;"> OIPE SEP 16 2003 </div> <div> INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> </div> </div>				ATTY DOCKET NO. HALB:045		SERIAL NO. 10/656,684		
				Jeff Miller and Jeff Kirsner				
				FILING September 5, 2003		GROUP		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	4,508,628	04/02/1985	Walker, et al.	252	8.5	05/19/1983	
	AB	5,333,698	08/02/1994	Van Slyke	175	63	05/21/1993	
	AC	5,846,913	12/08/1998	Sawdon	507	103	03/17/1997	
	AD	5,635,457	06/03/1997	Van Slyke	507	103	04/17/1995	
	AE	4,012,329	03/15/1977	Hayes et al.	252	8.5P	09/22/1975	
	AF	5,237,080	08/17/1993	Daute et al.	554	213	07/10/1980	
	AG	5,330,662	07/19/1994	Jahnke et al.	252	8.551	03/17/1992	
	AH	6,090,754	07/18/2000	Chan et al.	507	110	07/18/2000	
	AI	6,001,790	12/14/1999	Schmitt et al.	C11D 1	722	12/17/1997	
	AJ	5,403,508	04/04/1995	Reng et al.	C11D 1	825	05/13/1993	
	AK	5,308,401	05/03/1994	Geke, et al.	134	2	04/30/1991	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	GB 2,212,192 A	07/19/1989	United Kingdom	C09K	7/06		
	AM	EP 0 134 173	03/13/85	Europe	C09K	7/06		✓
	AN	WO 83/0249	09/01/1983	PCT	C09K	7/06		
	AO	GB 2,287,052 B	03/13/1996	United Kingdom	C09K	7/06		
	AP	DE 196 43 857	05/07/1998	Germany	C09K	BQ1F		✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		AQ	"Neodol 1", "Neodol 1-9", "Neodol 135-3E", "Neodol 135-7E", "Neodol 23", "Neodol 23-1", "Neodol 23-1.1E", "Neodol 23-2.2E", "Neodol 23-2E", "Neodol 23-3", "Neodol 23-3E", "Neodol 23-6.5", "Neodol 23-6.5E", "Neodol 23E", "Neodol 25", "Neodol 25-2.5E", "Neodol 25-3", "Neodol 25-3E", "Neodol 25-7", "Neodol 25-7E", "Neodol 45", "Neodol 45-4E", "Neodol 45E", "Neodol 79E", "Neodol 91", "Neodol 91.2.5E", "Neodol 91-5E", "Neodol 91-6E", "Neodol 91-8", "Neodol 91-8E", "Neodol 91E", "Neodol 25-9", "Neodol 25-9E", "Neodol 25E", "Neodol 45-5E",					
		cont'd	"Neodol 45-7 E", Product Data Sheets, SHELL CHEMICALS, Retrieved from the internet: URL: http://www.shellchemicals.com/neodol , retrieved on 2003-09-13, each data sheet comprising two pages.					
EXAMINER				DATE CONSIDERED				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HALB:045

Application Number

10/656,684

Applicant(s)

Jeff Miller and Jeff Kirsner

Filing Date

September 5, 2003

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DI	5,318,956	06/07/1994	Mueller et al.	507	139	04/29/1993
	DK	5,403,822	04/04/1995	Mueller et al.	507	138	05/27/1993
	DL	5,441,927	08/15/1995	Mueller et al.	507	138	11/09/1994
	DM	5,508,,258	04/16/1996	Mueller et al.	507	135	04/28/1995
	DN	5,607,901	03/04/1997	Toups, Jr. et al.	507	103	02/17/1995
	DO	RE 36,066	01/26/1999	Mueller et al.	507	138	09/06/1991
	DP	5,868,434	02/09/1999	Mueller et al.	507	110	06/06/1995
	DQ	5,909,779	06/08/1999	Patel et al.	175	50	06/30/1998
	DR	6,022,833	02/08/2000	Mueller et al.	507	203	09/18/1997
	DS	6,165,946	12/26/2000	Mueller et al.	507	203	10/21/1997
	DT	6,180,572 B1	01/30/2001	Mueller et al.	507	209	12/06/1996

FOREIGN PATENT DOCUMENTS

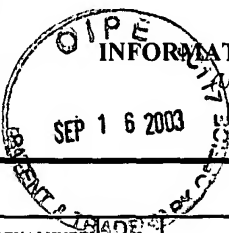
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>				Docket Number (Optional) HALB:045		Application Number 10/656,684		
				Applicant(s) Jeff Miller and Jeff Kirsner				
				Filing Date September 5, 2003		Group Art Unit		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	DU	5,869,434	02/09/1999	Mueller et al.	507	110	06/06/1995	
	DV	6,211,119 B1	04/03/2001	Herold et al.	507	103	11/10/1997	
	DW	6,515,031	02//04/2003	Fefer	516	73	02/13/2001	
	DX	5,407,909	04/18/1995	Goodhue, Jr. et al.	507	118	02/19/1993	
	DY	5,552,462	09/03/1996	Yeh	524	55	11/22/1993	
	DZ	4,619,772	10/28/1986	Black et al.	252	8.514	05/23/1982	
	EA	4,473,479	09/25/1984	Block	252	8.5 A	12/06/1982	
	EB	4,428,845	01/31/1984	Block	252	8.5 A	12/02/1981	
	EC	4,422,947	12/27/1983	Dorsey et al.	252	8.5 C	12/19/1980	
	ED	4,366,070	12/28/1982	Block	252	8.5 A	02/27/1981	
	EF	4,264,455	04/28/1981	Block	252	8.5 B	10/28/1978	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	EG	David D. Wilson, "Something New in Environmental Horizontal Installation," Inovations in Drilling, WWJ, February 1996, pages 27-28.						
	EH	Daniel B. Oakley, "Environmental Horizontal Well Installation and Performance: Lessons Learned," Horizontal News, DOE Dept. of Technology Development, Volume 1, No. 2, Fall 1995, pages 7 and 9.						
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

<div style="text-align: center;"> INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> </div> <div style="position: absolute; top: 10px; left: 10px; border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> SEP 16 2003 </div>	ATTY DOCKET NO. HALB:045	SERIAL NO. 10/656,684
	Jeff Miller and Jeff Kirsner	
	FILING September 5, 2003	GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EI	4,255,268	03/10/1981	Block	252	8.5 B	07/14/1978
EJ	4,240,915	12/23/1980	Block	252	8.5 B	07/13/1978
EK	4,151,096	04/24/1979	Jackson	252	8.5 A	12/19/1977
EL	3,988,246	10/26/1976	Hartfiel	252	8.5 A	05/24/1974
EM	5,591,699	01/07/1997	Hodge	507	213	12/21/1994
EN	4,559,233	12/17/1985	Chen et al.	426	104	12/30/1983
EO	4,670,501	06/02/1987	Dymond et al.	524	458	05/16/1985
EP	4,777,200	10/11/1988	Dymond et al.	524	458	10/28/1986
EQ	5,851,958	12/22/1998	Halliday et al.	507	103	10/08/1997
ER	5,605,879	02/25/1997	Halliday et al.	507	103	02/25/1997
ES	US 6,451,953 B1	09/17/2002	Albright	526	348	12/18/1997

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	ET	Mac Seheult, Len Grebe II, J.E. Traweck, Jr., Mike Dudley, "Biopolymer Fluids Eliminate Horizontal Well Problems," WORLD OIL , January 1990, Gulf Publishing Co., Houston, Texas.
	EU	Bob Byrd, Mario Zamora, "Fluids are Key in Drilling Highly Deviated Wells," Petroleum Engineer International , pages 24-26 (February 1988)

EXAMINER	DATE CONSIDERED
-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.